Interdisciplinary Programs Office
An Example on Student's Pathway (as of May 2, 2023)

<< Declaration of
BEng major</pre>

<< Declaration of
BBA major</pre>

School:		School of Engineering and School of Business Management			Student's Pathway										
Program:		Dual Degree Program (BEng in Industrial Engineering and Engineering Ma	nagement		Statem 7 unitruy										
- rogram.		and BBA in Economics)							1	l		1	1	l	
Cauras				Ύe	Yea	l _ĕ	Yea	l ×	Yea	Ϋ́e	Yea	Ύe	Yea	တ္	Remarks
Course Offering Dept.	Course Code	Course Title / Courses List	Credits	Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring		Year 3 Spring	Year 4 Fall	Year 4 Spring	Year 5 Fall	Year 5 Spring	Sub-total	Romano
(course code prefix)			ťs	Fall	pring	Fall	pring	Fall	pring	Fall	pring	Fall	pring	otal	
DEng in Ind	vetrial Engin	soving and Enginessing Management			ų,		u		T T		В		Ū		
		eering and Engineering Management													
Major Require															
Engineering Funda	T Courses	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H	3-5	1	I	:	I	:	1		1	1	1		T
COMP COMP	1021 1022P	Introduction to Computer Science Introduction to Computing with Java	3	3		į		į						3	Students should take COMP1021 which will also be used to substitute
COMP	2011	Programming with C++	4	3		i		i						3	ISOM 2010 and to waive ISOM 2020
COMP	2012H	Honors Object-Oriented Programming and Data Structures Note: CHEM1012 OR PHYS1112 OR PHYS1312	5			i		i							
CHEM PHYS	1012 1112	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories General Physics I with Calculus	3	3		i		i						3	
PHYS LANG	1312 2030	Honors General Physics I Technical Communication I	3	_	<u> </u>	! . .	_	-	_	_	_	_	_	0	Waived for DDP students
LANO	_	Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND	4-7			<u> </u>		<u> </u>							Walved for DDF students
MATH	1012	(MATH 1014 OR MATH 1024)] OR [MATH 1020] Calculus IA	4			i		i							
MATH MATH	1013 1014	Calculus IB Calculus II	3	3	3	:		:						6	
MATH MATH	1020 1023	Accelerated Calculus Honors Calculus I	4			•		•							
MATH	1024	Honors Calculus II	3			<u>: </u>		<u>: </u>			-				
MATH MATH	2011	Introduction to Multivariable Calculus Matrix Algebra and Applications	3			3	3	:						3	
SENG	2	Engineering Introduction course (If the students take an introduction course included in their	3-4	(3)				<u>. </u>						0	
		major, this course can be counted towards their major requirement.) Required credits for Engineering Fundamental Courses		(-)		<u>: </u>		<u>: </u>						18	
Major Required Co	ourses and Elective	es			1										
IEDA	1010	Academic and Professional Development I	0	ļ		0	0	<u>!</u>						0	
IEDA	1020	Academic and Professional Development II	0	1		<u> </u>		0	0		-			0	
IEDA	1901	Industrial Training and Experience	0			0*	0^	!			Ì			0	
IEDA	2520	Probability for Engineers	3	-		3		<u>!</u>			-			3	
IEDA	2540	Statistics for Engineers	3				3							3	
IEDA	3010	Presciptive Analytics	3			<u> </u>		3						3	
IEDA	3230	Engineering Economics and Accounting	3	-		!		1	3		<u> </u>			3	
IEDA IEDA	3250 3300	Stochastic Models Industrial Data Systems	3	-		 		3		3	 			3	
IEDA	4100	Integrated Production Systems	3			<u> </u>		<u> </u>			3			3	This course will also be used to
IEDA	4130	System Simulation	3			<u> </u>		<u> </u>			3			3	substitute ISOM 2700
		Note: IEDA 4901 OR IEDA 4960 (Students taking the Research Option must take IEDA 4901)				į		į							
IEDA IEDA	4901 4960	Final Year Thesis Industrial Engineering and Engineering Management Final Year Project	6			į		į				3	3	6	
ENGG	2010	Engineering Seminar Series	0			0	0	0	0	0	0	0	0	0	
ECON	2103	Note: ECON 2103 OR ECON 2113 Principles of Microeconomics	3			3		!						3	
ECON	2113	Microeconomics	3			<u> </u>		<u> </u>					2	2	
LANG	4032	Technical Communication II for IEDA and ISDN Industrial Engineering Electives (Courses from the specified elective list, of which at least				i		i					3	3	
IEDA		15 credits should be taken from 1 of the 2 areas and at least 6 credits outside that area.)	21			6	3	i		3		3	6	21	
		uired credits for Major Requirements Courses and Electives	57			i		i						57	
BBA in Ecor															
School Requir															
ACCT	2010	Principles of Accounting I	3	3		 		 						3	
ACCT	2200	Principles of Accounting II Note: ECON 2103 OR ECON 2113	3		3	i——		i——						3	This course will be counted as an IE
ECON ECON	2103 2113	Principles of Microeconomics Microeconomics	3			(3)		i						0	major required course.
ECON	2123	Note: ECON 2123 OR ECON 3123 Macroeconomics	3			i		3						3	
ECON	3123	Macroeconomic Theory I	3			<u>:</u>									
FINA	2303	Financial Management	3			i 	3	i 						3	Substituted by COMP
ISOM	2010	Introduction to Information Systems	3	-	-	<u> </u>	-	<u> </u>	-	-	-	-	-	0	1021/1022P/2011/2012H Waived for DDP students if they
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	0	have taken and passed COMP 1021 or COMP 1029P
ISOM	2500	Business Statistics	3	-	† -	-	-	-	-	-	-	-	-	0	Substituted by IEDA2540
ISOM	2600	Introduction to Business Analytics	1			:		1						1	
ISOM MARK	2700 2120	Operations Management Marketing Management	3	-	-	! 	3	! 	-	-	-	-	-	3	Substituted by IEDA 4100
MGMT	2010	Business Ethics and the Individual	2			<u> </u>	3	<u> </u>	2					2	
MGMT	2110	Organizational Behavior	3				3							3	
MGMT	2130	Business Ethics and Social Responsibility	2	ļ								2		2	MA-P
LABU ECON	2040 3700	Business Case Analyses Writing as an Economist	3	-	-	<u> </u>	-	<u> </u>	-	-	3	-	-	3	Waived for DDP students
		Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4					<u> </u>			Ť				DDP students should take MATH
MATH MATH	1003 1012	Calculus and Linear Algebra Calculus IA	3 4	(3)		!		!			Ì			0	1012 or MATH 1013 or MATH 1020 or MATH 1023 to satisfy the
MATH MATH	1013 1020	Calculus IB Accelerated Calculus	3 4	(0)		!		!			Ì				requirements of both BEng and BBA
MATH	1023	Honors Calculus I Required credits for School Requirements	3 43-44			<u> </u>		<u> </u>						26	degrees
Major Require	ments	required eradita for outroot requirements	73-44	II	1		<u>I</u>		İ	l	<u>i</u>	İ	İ	20	I
	ourses and Elective	es													
ECON	3014	Managerial Microeconomics	4					4						4	
ECON	3024	Managerial Macroeconomics	4	ļ		<u> </u>		<u> </u>	4					4	
ECON	3334	Introduction to Econometrics	4	<u> </u>		 		<u> </u>		4			^	4	
ECON	1	ECON 4000-level Electives (Any 3 courses of the subject and level as specified) Required credits for Major Required Courses and Electives	11 23	-		: 		<u> </u>			4	4	3	11 23	
Additional P	Requirements	· · · · · · · · · · · · · · · · · · ·	20	II	Ī		<u>I</u>	-	İ	<u>I</u>	<u>I</u>	İ	İ	20	L
	for Dual Degr														
Required Courses															
TEMG	1010	T&M Professional Activities	0	0	0	0	0	0	0	0	0	0	0	0	
TEMG	3950	T&M Case Analysis and Product Innovation	3		3	<u> </u>					L			3	
TEMG	4950	T&M Corporate Consulting Project	3-5			İ		4						4	
		Required credits for Additional Requirements	7											7	
University CO	RE	·			<u>. </u>				.	<u>. </u>		.	.		
CORE	C3 - C9	U CORE - Others	21			3		ļ	6	6	3	3		21	
CORE	C1 & C2	U CORE - English Language	6	3	3	<u> </u>		<u> </u>						6	
CORE	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	0	3	<u>-</u>		<u>-</u>						3	
<u> </u>		Sub-total for University CORE	30		<u> </u>	<u>.</u>	т.	erm load (ev	cl. free cred	its)	<u> </u>	<u> </u>	<u> </u>	30	
				15	15	18	18	18	15	16	16	15	15		
									1##						
Notes:						<< Declar		<< Declar							
	BEng major BBA m														

- () indicates the reuse of the same course to fulfill more than one requirement.
- ^ Courses offered in summer term
- --- denotes the course/requirement is either waived or substituted
- ## To graduate, students should complete all requirements as specified for DDP.

**Remarks on course(s):